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Sequence Listing could not be accepted due to errors.

See attached Validation Report.

If you need help call the Patent Electronic Business Center at (866) 217-9197 (toll free).

Reviewer: Anne Corrigan

Timestamp: Thu Jun 07 20:19:22 EDT 2007

=====

Reviewer Comments:

<210> 1

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> CodY target sequence

Please explain the source of "<223> CodY target sequence."

<210> 15

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> consensus sequence GTP binding motif in CodY homologs

<220>

<221> Xaa

<222> (2)..(2)

<223> Arg

<220>

<221> Xaa

<222> (3)..(3)

<223> Met, Gly, Ile, Lys, Gln

<220>

<221> Xaa

<222> (4)..(4)

<223> Gly

<220>

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<221> Xaa
<222> (5)..(5)
<223> Thr
<220>
<221> Xaa
<222> (7)..(7)
<223> Ser
<400> 15
Gly Gly Glu Arg Leu Gly Thr Thr
  1               5

```

There are no Xaa's at locations 2-4, and 5-7. Why are there Xaa explanations? e.g., "Gly" is at location 2--it can only represent itself; "Glu" is at location 3. Same type of error in Sequence 15.

```

<220>
<221> Variant
<222> (2)..(2)
<223> Ala, Lys
<220>
<221> Variant
<222> (3)..(3)
<223> Phe, Ile
<400> 24
Asp Arg Val Gly
  1

```

The <222> and <223> responses above are invalid. "Arg" is at location 2--it can only represent itself. If you want location 2 to represent Arg, Ala, or Lys, please use "Xaa" instead of "Arg." Same problem with the <222> (3)..(3) and the <223> line below it.

Same type of error in Sequence 29.

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<210> 226
<211> 30
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<213> Artificial Sequence
<220>
<223> MUT16

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The <223> response above is an insufficient explanation for <213>

Artificial Sequence. Please give the source of "MUT16." Same type of error throughout the submitted file.

Application No: 10562601

Version No: 1.0

Input Set:

Output Set:

Started: 2007-06-07 15:32:33.514

Finished: 2007-06-07 15:32:36.262

Elapsed: 0 hr(s) 0 min(s) 2 sec(s) 748 ms

Total Warnings: 207

Total Errors: 12

No. of SeqIDs Defined: 234

Actual SeqID Count: 234

Error code	Error Description
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W 213	Artificial or Unknown found in <213> in SEQ ID (2)
W 213	Artificial or Unknown found in <213> in SEQ ID (3)
W 213	Artificial or Unknown found in <213> in SEQ ID (4)
W 213	Artificial or Unknown found in <213> in SEQ ID (5)
W 213	Artificial or Unknown found in <213> in SEQ ID (6)
W 213	Artificial or Unknown found in <213> in SEQ ID (7)
W 213	Artificial or Unknown found in <213> in SEQ ID (8)
W 213	Artificial or Unknown found in <213> in SEQ ID (9)
W 213	Artificial or Unknown found in <213> in SEQ ID (10)
W 213	Artificial or Unknown found in <213> in SEQ ID (11)
W 213	Artificial or Unknown found in <213> in SEQ ID (12)
W 213	Artificial or Unknown found in <213> in SEQ ID (13)
W 213	Artificial or Unknown found in <213> in SEQ ID (14)
W 213	Artificial or Unknown found in <213> in SEQ ID (15)
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E 257	Invalid sequence data feature in <221> in SEQ ID (15)
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E 257	Invalid sequence data feature in <221> in SEQ ID (15)
E 257	Invalid sequence data feature in <221> in SEQ ID (15)

Input Set:

Output Set:

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Total Warnings: 207
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No. of SeqIDs Defined: 234
Actual SeqID Count: 234

Error code	Error Description
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W 213	Artificial or Unknown found in <213> in SEQ ID (29)
W 213	Artificial or Unknown found in <213> in SEQ ID (39)
W 213	Artificial or Unknown found in <213> in SEQ ID (40)
W 213	Artificial or Unknown found in <213> in SEQ ID (41) This error has occurred more than 20 times, will not be displayed
E 257	Invalid sequence data feature in <221> in SEQ ID (214)
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E 257	Invalid sequence data feature in <221> in SEQ ID (228)
E 257	Invalid sequence data feature in <221> in SEQ ID (230)

SEQUENCE LISTING

<110> Hengst den, Christiaan D.
 Gajic, Olivera
 Kuipers, Oscar P.
 Kok, Jan
 Sikkema, Jan
 Geurts, Johannes M.W.
 Nauta, Arjen

<120> Methods and means for regulating gene expression

<130> P63590US00

<140> 10562601

<141> 2007-06-07

<150> US 10/562,601

<151> 2005-12-28

<150> PCT/NL2004/000474

<151> 2004-07-02

<150> EP 03077074.7

<151> 2003-07-02

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<223> primer sto 14

<400> 2

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<223> primer opp2

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<211> 38
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<213> Artificial Sequence

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<220>
<223> primer HC-6

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<211> 15
<212> DNA
<213> Artificial Sequence

<220>
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<400> 14
aattttcwga aaatt 15

<210> 15
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<212> PRT
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<220>
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1 5

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<211> 8

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<400> 16

Leu Gly Gly Gly Thr Gly Thr Gly

1 5

<210> 17

<211> 8

<212> PRT

<213> Bacillus subtilis

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<400> 17

Gly Gly Glu Arg Leu Gly Thr Leu

1 5

<210> 18

<211> 8

<212> PRT

<213> Bacillus halodurans

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<222> (1)..(8)

<223> /note="Putative GTP binding motif G1"

<400> 18

Gly Gly Gln Arg Leu Gly Thr Leu

1 5

<210> 19

<211> 8
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<213> Clostridium difficile

<220>
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<223> /note="Putative GTP binding motif G1"

<400> 19
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<213> Clostridium acetobutylicum

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<210> 21
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1 5

<210> 22
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<213> Enterococcus faecalis

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<400> 22
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1 5

<210> 23
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<213> *Lactococcus lactis*

<220>
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<400> 23
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<210> 24
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<400> 24
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<210> 26

<211> 4

<212> PRT
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<220>
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<211> 4
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<210> 28
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<220>
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<213> Artificial Sequence

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<220>

<221> VARIANT
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<400> 29
Asn Lys Gly Asp
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<210> 30
<211> 4
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<213> Escherichia coli

<220>
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<210> 31
<211> 4
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<210> 32
<211> 4
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<220>
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<400> 33
Asn Glu Gly Ile
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Ile Leu Asn Asp
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<220>
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<223> /note="Putative GTP binding motif G4"

<400> 35
Leu Ile Ser Asp
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<210> 36
<211> 4
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<213> Enterococcus faecalis

<220>
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<223> /note="Putative GTP binding motif G4"

<400> 36
Asn Gln Gln Phe

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<211> 4
<212> PRT
<213> *Staphylococcus aureus*

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<400> 37
Glu Lys Gly Ile
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<210> 38
<211> 4
<212> PRT
<213> *Lactococcus lactis*

<220>
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<223> /note="Putative GTP binding motif G4"

<400> 38
Thr Gly Leu Phe
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<210> 39
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<213> Artificial Sequence

<220>
<223> presence of the putative CodY box in yreE

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26

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<223> presence of the putative CodY box in yciC

<400> 41
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<210> 42
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<223> presence of the putative CodY box in optA

<400> 42
aaattttctg acaataataa aaattg 26

<210> 43
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<400> 43
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<213> Artificial Sequence

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<400> 45
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<213> Artificial Sequence

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<223> presence of the putative CodY box in yiaB

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gaatttactg acgaatctat cattaa 26

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<223> presence of the putative CodY box in ysdC

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<210> 52
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aaatttaattg ataaaacaat tagttt 26

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<212> DNA

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<210> 64

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aattttcaga taatt

15

<210> 68

<211> 15

<212> DNA

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15

<210> 69

<211> 15

<212> DNA

<213> Artificial Sequence

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<211> 15

<212> DNA

<213> Artificial Sequence

<220>

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<211> 15

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15

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<211> 15

<212> DNA

<213> Artificial Sequence

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15

<210> 73

<211> 15

<212> DNA

<213> Artificial Sequence

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<223> motif in *L. lactis* MG1363 genome

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15

<210> 74

<211> 15

<212> DNA

<213> Artificial Sequence

<220>

<223> motif in *L. lactis* MG1363 genome

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15